

PATENT 5181-96100/P6693

## N THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/821,431

Filed: April 9, 2004

Inventors: Cypher, et al.

Title: BRANCH PREDICTION MECHANISM USING

MULTIPLE HASH

**FUNCTIONS** 

Examiner: Unknown
Group/Art Unit: 2183
Atty. Dkt. No: 5181-96100

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date indicated below.

Stephen J. Curran

Printed Name

July 7, 2005

Senature

Date

## INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

1.	I ms i	This information Disclosure Statement is submitted:				
	a.		within 3 months of the filing date of a national application other than a continued prosecution application under § 1.53(d); within 3 months of the date of entry of the national stage as set forth in § 1.491 in an International application; before the mailing date of a first Office Action on the merits; or before the mailing of a first Office Action after the filing of a request for continued examination under § 1.114.			
	b.		after the events of above paragraph 1a and prior to the mailing date of a final Office Action or Notice of Allowance, and thus:   the certification of paragraph 2 below is provided, or a fee of \$180.00 is enclosed.			
	c.		after the mailing date of a final Office Action or a Notice of Allowance and prior to payment of the issue fee, and thus: the certification of paragraph 2 below is provided and a fee of \$180.00 is enclosed.			
2.	It is he	It is hereby certified:				
		that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in § 1.56(c) more than thirty (30) days prior to the filing of the information disclosure statement;				
		was of foreign	that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of the Statement; or			
		that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in § 1.56 (c) more than three (3) months prior to the filing of the Statement.				
3.			deration of the following additional information (including any co-pending andoned U.S. applications, prior uses and/or sales, etc.) is requested:			
4.	For ea	For each non-English language reference listed on the attached Form PTO-1449:				
		refere	nce is made to an English language translation submitted herewith, and/or			
			nce is made to a foreign patent office search report (in the English age) submitted herewith, and/or			
			nce is made to an English language translation of a foreign patent office report submitted herewith, and/or			

		present application at page(s), and/or
		reference is made to the concise explanation set forth below:
5.		Applicant also offers the following comments for the Examiner's consideration:
6.	$\boxtimes$	Also enclosed is a copy of a foreign search report citing these references.
7.		The listed documents were brought to the attention of the Applicant(s) after payment of the issue fee in the captioned case. The documents were cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. Applicant(s) request this Information Disclosure Statement and attached Form PTO-1449 be placed in the file of the captioned application.
8.		Applicant(s) requests that the Information Disclosure Statement and attached Form PTO-1449 and references, which are being filed before the grant of the patent and pursuant to 37 C.F.R. § 1.97(i), be placed in the file of the captioned application.

If any required fees are missing, the Commissioner is authorized to charge said fees to Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C. Deposit Account No. 501505/5181-96100/SJC.

Respectfully submitted,

Stephen 7. Curran Reg. No. 50,664

Agent for Applicant(s)

MEYERTONS, HOOD, KIVLIN, KOWERT & GOETZEL, P.C. P. O. Box 398 Austin, Texas 78767 (512) 853-8800

Date: July 7, 2005

List of Patents and Publications  For Applicant's Information  Disclosure Statement  APPLICA	NT: Cypher, et al.  ATE: April 9, 2004	GRO	UP: 2183					
	ATE: April 9, 2004	GROUP: 2183						
U.S. PATENT DOCUMENTS								
EXAM. REF. DOCUMENT NUMBER DATE INITIALS DES.	NAME	CLASS	SUB CLASS	FILING DATE APPROPRIAT				
6,351,796 02/26/2002	McCormick, Jr., et al.							
OIPE								
JUL 1 2005 W								
ADEMA								
			<u>.</u>					
FOREIGN PAT	ENT DOCUMENTS							
EXAM. REF. DOCUMENT NUMBER DATE INITIALS DES.	COUNTRY	CLASS	SUB CLASS	TRANSLATIO YES/NO				
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
B1 European Search Report, PO23334E	European Search Report, PO23334EP, June 9, 2005.							
B2 "Trading Conflict and Capacity Alias IRISA/INRIA, 1997, page 292-303.	"Trading Conflict and Capacity Aliasing in Conditional Branch Predictors," Michaud, et al, IRISA/INRIA, 1997, page 292-303.							
B3 "Assigning Confidence to Conditional 142-152.	"Assigning Confidence to Conditional Branch Predictions," Jacobsen, et al, IEEE 1996, page 142-152.							

EXA	MIN	ER:

## DATE CONSIDERED: